

requirement of] mechanical decanter devices normally required to extract the desired effluent quality in conventional sequencing batch reactor systems.

In The Claims

Please amend claims 1 and 4 as follows:

1. (Amended) A process for the treatment of waste water, comprising the steps of:
drawing waste water into a vessel containing an activated sludge;
mixing the waste water and the activated sludge in the vessel to create a mixture;
exposing the mixture in the vessel to anaerobic conditions for a sufficient time to permit the release of phosphorous and denitrification of oxidized nitrogen;
exposing the mixture in the vessel to alternating periods of aerobic and anoxic conditions for a sufficient time to permit the oxidation of organic contaminants in the waste water and nitrogenous waste products and the uptake of phosphorous followed by the denitrification of oxidized nitrogen;
[extracting] removing the mixture from the reactor while exposing the mixture to alternating periods of aerobic and anoxic conditions; and